

TRANSMITTAL LETTER TO THE UNITED  
STATES DESIGNATED/ELECTED OFFICE  
(DO/EO/US) CONCERNING A FILING  
UNDER 35 U.S.C. 371

Date of Mailing:  
31 May 2005

Attorney Docket No.  
0149-P03068US00

U.S. Application No. (If Known)  
Not yet assigned **10/536955**

Express Mail Label No.:  
EV 374764785 US

Int'l Application No.  
PCT/US03/39722

Int'l Filing Date  
12 December 2003

Priority Date Claimed  
13 December 2002

TITLE OF INVENTION

Replication of Hepatitis C Virus in Non-Hepatic Epithelial and Mouse Hepatic Cells

Applicant(s) for DO/EO/US

ZHU, Qing; GUO, Ju-Tao; SEEGER, Christoph

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

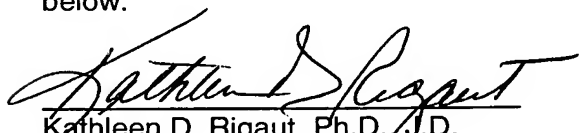
**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: - Copy of Form PCT/IB/308; Abstract

U.S. Application No. Not yet assigned		10/536955		International Application No. PCT/US03/39722		<b>JC06 Rec'd PCT/PTO 31 MAY 2003</b> Docket No. 0149-P03068US01	
The following fees are submitted:							
21. <input checked="" type="checkbox"/> BASIC NATIONAL FEE .....						\$300	
22. <input checked="" type="checkbox"/> Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....						\$100	
All other situations .....						\$200	
23. <input checked="" type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as a International Searching Authority. ....						\$100	
International Search Report prepared by International Search Authority other than USPTO, but provided to Office by Applicant(s) .....						\$400	
All other situations .....						\$500	
Total of 21, 22, 23						\$600	
[ ] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program filed in an electronic medium). Total Sheets      Extra Sheets      No. of each add'l 50 (round up to whole number) -100 =                      /50 =                      x \$250						\$0	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date						\$0	
Claims	Number Filed	Number Extra	Rate				
Total Claims	18 -20	= 0	50		\$0		
Independent Claims	4 -3	= 1	200		\$200		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)					+ \$360	\$0	
<b>TOTAL OF ABOVE CALCULATIONS</b>					\$800		
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2					\$400		
<b>SUBTOTAL =</b>					\$400		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))					\$0		
<b>TOTAL NATIONAL FEE =</b>					\$400		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property					\$0		
<b>TOTAL FEES ENCLOSED =</b>					\$400		

- a. ☒ A check in the amount of \$400 to cover the above fees is enclosed
- b. [ ] Please surcharge Deposit Account No. 04-1406 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1406. A duplicate copy of this sheet is enclosed.

SEND ALL CORRESPONDENCE TO: **CUSTOMER NUMBER 000110** to the attention of the individual listed below.

  
 Kathleen D. Rigaut, Ph.D., J.D.  
 Registration No. 43,047

10/536955

JC06 Rec'd PCT/PTO 31 MAY 2005

## DANN, DORFMAN, HERRELL AND SKILLMAN

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COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450	DATE OF MAILING  31 May 2005
MAIL STOP BOX PCT	APPLICANT'S OR AGENT'S FILE REF. 0149-P03068US01
IDENTIFICATION OF THE INTERNATIONAL APPLICATION	
INTERNATIONAL APPLICATION NO. PCT/US03/39722	INTERNATIONAL FILING DATE 12 December 2003
APPLICANT (name) Fox Chase Cancer Center	
TRANSMITTAL OF LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)	

CERTIFICATE OF MAILING BY EXPRESS MAIL UNDER 37 C.F.R. §1.10NO. OF EXPRESS MAIL LABEL EV 374764785 USDATE OF DEPOSIT WITH POSTAL SERVICE 31 May 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above, and is addressed to the COMMISSIONER FOR PATENTS, MAIL STOP BOX PCT, P.O. Box 1450, Alexandria, VA 22313-1450.

Janice M. Nightlinger  
Name of Person Mailing Paper or Fee

Janice M. Nightlinger  
Signature of Person Mailing Paper or Fee

## Enclosures:

2 Sheets of PTO Form 1390 (in duplicate)  
4 Sheets of Preliminary Amendment, including a 1 page Abstract  
Copy of Form PCT/IB/308  
Check in the amount of \$400.00